

ABSTRACT

A receiver termination network is included in a high-speed receiver that also includes a receiver analog front-end and a data recovery module. The receiver termination network includes a DC matched termination circuit and an AC coupled bias circuit. The DC matched termination circuit is operably coupled to provide a termination of a transmission line coupling the high-speed receiver to a transmission source and to receive high-speed data via the transmission line. The AC coupled bias circuit is operably coupled to provide a common mode reference and to high-pass filter the high-speed data to produce filtered high-speed data. The receiver analog front-end is biased in accordance with the common mode reference and is operably coupled to amplify the filtered high-speed data to produce amplified high-speed data.